

CLAIMS

1. A solid-state electrochromic device comprising:

5 a lower transparent conductive layer formed into filmy shape on a glass substrate, partially provided with a groove, and insulated with the groove;

10 an electrochromic layer layered on the lower transparent conductive layer;

15 an upper transparent conductive layer formed into filmy shape over a portion insulated with the groove of the lower transparent conductive layer, and a top of the electrochromic layer; and

20 a sealant and opposed glass plate laminated on the upper transparent conductive layer,

wherein metal foil terminals made of a metal foil to which an electrically conductive adhesive material is applied are bonded to an end of the lower transparent conductive layer and an end of the insulated portion of the lower transparent conductive layer in order to apply a driving voltage to the electrochromic layer.

2. A solid-state electrochromic device according to claim 1, wherein the metal foil terminals are made of any one of copper and aluminum foils.

3. A solid-state electrochromic device according to claim 1, wherein the metal foil terminals have undergone anti-corrosive treatment.

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4. A mirror system using a solid-state electrochromic device, the electrochromic device comprising:

- a metal reflective coating formed into filmy shape on a glass substrate;
- a lower transparent conductive layer formed into filmy shape on the
- 5 metal reflective coating, partially provided with a groove, and insulated with the groove;
- an electrochromic layer layered on the lower transparent conductive layer;
- 10 an upper transparent conductive layer formed into filmy shape over a portion insulated with the groove of the lower transparent conductive layer, and a top of the electrochromic layer; and
- 15 a sealant and opposed glass plate laminated on the upper transparent conductive layer,
wherein metal foil terminals made of a metal foil to which an electrically conductive adhesive material is applied are bonded to an end of the lower transparent conductive layer and an end of the insulated portion of the lower transparent conductive layer in order to apply a driving voltage to the electrochromic layer.

20 5. A CRT display including:

- a glass panel; and
- 25 a filter layer formed on a front face of the glass panel, the filter layer being comprised of a solid-state electrochromic device,
wherein the solid-state electrochromic device uses the glass panel for an opposed glass plate, and includes a lower transparent conductive layer and metal foil terminals to which an electrically conductive adhesive material is applied, and the

metal foil terminals are located at an end portion of the lower transparent conductive layer.

6. A CRT display according to claim 5, wherein the filter layer comprised
5 of the electrochromic device includes:

a lower transparent conductive layer formed into filmy shape on a glass substrate, partially provided with a groove, and insulated with the groove;
an electrochromic layer layered on the lower transparent conductive layer;

10 an upper transparent conductive layer formed into firmly shape over a portion insulated with the groove of the lower transparent conductive layer, and a top of the electrochromic layer; and

a sealant and opposed glass plate laminated on the upper transparent conductive layer,

15 wherein metal foil terminals made of a metal foil to which an electrically conductive adhesive material is applied are bonded to an end of the lower transparent conductive layer and an end of the insulated portion of the lower transparent conductive layer in order to apply a driving voltage to the electrochromic layer.